

ABSTRACT

[0034] A method and apparatus for an undervoltage relay control apparatus monitoring voltage of the circuit breaker. The undervoltage
5 relay controller apparatus comprises a housing with a latch assembly mounted in the housing. The latch assembly includes a latch mechanism and a solenoid, with the solenoid in selective contact with the latch mechanism. An electrical circuit, having a voltage input and a voltage output is mounted in the housing and coupled to the latch assembly.
10 Wherein a control voltage input to the electrical circuit is conditioned, independently of parameters of the solenoid, and wherein if the received control voltage input is less than a predefined voltage, the electrical circuit will remove power to the solenoid allowing the solenoid to contact the latch mechanism and trip the circuit breaker.